3.2.3 Ensure that support personnel such as waste technicians are available to support waste assay as requested by Canberra operating personnel.

3.2.4 Ensure that TRU drums to be assayed are staged in the Building 664 complex. A maximum of four TRU drums will be transported to the trailers. These drums shall be transported to and from Building 664 one drum at a time.

3.2.5 Drum movements from Building 664 to the Canberra trailers shall not occur during periods of rain, lightning, or high winds. Wet drums moved from the Canberra trailers to Building 664 shall be wiped dry by waste technicians before final storage.

3.2.6 Stores of all PPE required to perform the work outlined in this WI shall be maintained at Building 664.

3.2.7 Radiological Engineering shall approve radioactive source storage area within the Canberra waste assay trailers.

3.2.8 Radiological Engineering shall post the trailers and surrounding area per ROI 1.03, "Radiological Control Posting and Labeling."

3.2.9 Ensure that personnel traffic not associated with the waste assay activities are directed to other areas of the Building 664 complex using barrier tape, rope, or other mechanisms.

3.2.10 Facility personnel shall update the WEMS database for drum location per the RCRA permit staging requirements.

3.2.11 Facility personnel shall update the WEMS database for drum assay value upon receipt of assay information from Canberra. Any deviations in the drum assay value found from Canberra processing shall be reported by facility personnel to the NMC for update of the SAN system.

4. INSTRUCTIONS

4.1 Canberra operating personnel shall operate the two Canberra waste assay trailers per Canberra operating procedures SSQM-007, SSQM-008, and SSQM-009.

4.2. Canberra operating personnel and Building 664 personnel shall ensure that the following criticality safety controls are observed:

4.2.1 Maximum 200 grams Pu per drum

4.2.2 Only one IDC per drum

4.2.3 No drums containing solution IDCs

4.2.4 No drums containing beryllium IDCs

4.2.5 No mechanically compacted waste drums

4.2.6 No open drums

4.2.7 Drums may be stacked a maximum 4 high

4.2.8 55-gallon drums used for assay must conform to dimensional requirements provided in the RFETS standard SX-200, Issue H.

4.2.9 Maximum of 200 pounds graphite per drum

4.3 Building 664 waste operations personnel shall be responsible for movement of TRU waste drums to and from the two Canberra trailers. Movements shall be done per Section 5.2, "Staging the Drums for RTR," of 4-H30-WO-5020, "Handling Transuranic and Transuranic Mixed Waste Packages in Building 664."

4.4 Radioactive Source Custodian or designate shall be responsible for controlling radioactive sources per requirements of the RFETS H&SP 18.04, Revision 0.

4.5 Canberra personnel shall observe the Health and Safety Plan for TRU Waste Characterization Mobile Systems when operating the two waste assay trailers.

4.6 Canberra personnel shall report emergencies and abnormal events occurring at the waste assay site to the Building 664 Manager or designate. Building 664 management shall take actions to protect lives, property, and the environment. Building 664 Management shall follow specific emergency response actions found in Attachments 1-13 of the Building 664 Emergency Response Operations, Revision 0. Canberra shall provide information and support to building management for proper response.

4.7 Canberra operators shall disconnect the liquid nitrogen line from both waste assay trailers at the end of each work day.

4.8 Changes of empty liquid nitrogen dewars for full dewars shall be handled per H&SP 11.02. These dewar changes shall be coordinated through the RFETS Gas Services by RMRS WIPP personnel.

4.9 Canberra personnel shall report measured assay value for each container to the facility. Note: The time to stage drums, process drums through the Canberra trailer, update the assay value, and locate the final drum storage shall not exceed 15 calendar days in order to minimize WEMS database transactions.

7/15/97

5. PROCESS CONCLUSION & CLEANUP

5.1 The CTR shall determine the completion of the assay contract and give orders to restore Building 664 complex to its original condition except for the power supply system. The power pole, transformers, disconnects, and power cables shall be left on the Building 664 complex.

5.2 Canberra shall remove all waste materials per instructions from the RCT and Building 664 Facility Management.

5.3 RMRS Maintenance or approved personnel shall disconnect the two trailers' power cables from the disconnects located at the power pole.

5.4 Canberra personnel shall disassemble the two trailers after being surveyed by a Radiological Control Technician (RCT) and after obtaining a Property Release Evaluation form approved by Radiological Engineering.

5.5 Canberra shall remove trailers from the Building 664 complex and the RFETS.